

STIC Search Report

STIC Database Tracking Contract Calcade

TO: Elizabeth Mulvaney Location: REM 10B77

Art Unit: 1774 March 29, 2005

Second

Case Serial Number: 10/651627

From: Usha Shrestha Location: EIC 1700 REMSEN 4B28

Phone: 571/272-3519

usha.shrestha@uspto.gov



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=> fil reg

FILE 'REGISTRY' ENTERED AT 16:06:46 ON 29 MAR 2005

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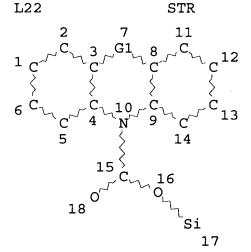
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L4
L5
           62 S MINNS R?/AU
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L6
L7
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L8
L9
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L12
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                E 54668-98-3/RN
L34
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L39
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L40
              3 S L38 OR L39
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FILE 'REGISTRY' ENTERED AT 16:06:46 ON 29 MAR 2005

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VAR G1=O/S/SE/C/N NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L24 0 SEA FILE=REGISTRY SSS FUL L22

0 ANSWERS

100.0% PROCESSED 372 ITERATIONS

SEARCH TIME: 00.00.01

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L25 1 SEA FILE=REGISTRY ABB=ON PLU=ON 61-73-4/RN

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=> d que 136

L29 1 SEA FILE=REGISTRY ABB=ON PLU=ON 116331-39-6/RN

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L34 1 SEA FILE=REGISTRY ABB=ON PLU=ON 54668-98-3/RN

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=> fil hcap

FILE 'HCAPLUS' ENTERED AT 16:07:35 ON 29 MAR 2005

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=> d 140 1-3 ibib abs hitstr hitind

L40 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

2004:459482 HCAPLUS

DOCUMENT NUMBER:

141:387788

TITLE:

Preparation and photochromism of Keggin type

heteropoly/methylene blue supermolecular

compound

AUTHOR(S):

Xu, Tian; Jin, Surong

CORPORATE SOURCE:

School of Science, Wuhan University of

Technology, Wuhan, 430070, Peop. Rep. China

SOURCE:

Wuhan Ligong Daxue Xuebao (2003), 25(7),

28-30

CODEN: WLDXAV; ISSN: 1671-4431

PUBLISHER:

Wuhan Ligong Daxue Jikanshe

DOCUMENT TYPE:

Journal

LANGUAGE:

Chinese

AB A new photochromic compound was synthesized from heteropoly acid

(such as **silicotungstic** acid) and methylene blue and characterized by elemental anal., IR, and UV-Vis spectroscopy. The heteropolyanions with a Keggin structure was kept unchanged. Photochromism studies showed that the electron transfer took place

from the organic mols. to the heteropolyanions.

IT 61-73-4DP, Methylene blue, compound with silicotungstic acid

/-----------

(preparation and photochromism of keggin type blue supermol.)

RN 61-73-4 HCAPLUS

CN Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, chloride (9CI) (CA INDEX NAME)

● Cl -

CC 78-8 (Inorganic Chemicals and Reactions)

IT 61-73-4DP, Methylene blue, compound with

silicotungstic acid 12027-38-2DP, Silicotungstic

acid (H4SiW12O40), compound with methylene blue

(preparation and photochromism of keggin type blue supermol.) IT 61-73-4, Methylene blue 12027-38-2, Silicotungstic

acid (H4SiW12O40)

(preparation and photochromism of keggin type blue supermol.)

L40 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:805904 HCAPLUS

DOCUMENT NUMBER: 139:308991

TITLE: Inks for ink jet printers for light- and

water-resistant images

INVENTOR(S): Udagawa, Reiko

PATENT ASSIGNEE(S): Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

DATE	PATENT NO.	KIND	DATE	APPLICATION NO.
	JP 2003292858	A2	20031015	JP 2002-134726

2002

0401

PRIORITY APPLN. INFO.:

JP 2002-134726

2002

0401

AB The inorg. ions of acid dyes and basic dyes are substituted with hydrophilic organic ions to give amphipathic dyes and mixed with aminoalkoxysilanes, butyral resins, water-soluble solvents, and additives to prepare inks. Thus, Auramine O, Rhodamine B,

and

methylene blue were treated with Na p-toluenesulfonate and used in

yellow, magenta, and cyan inks, resp.

IT 61-73-4DP, Methylene blue, reaction products with sodium toluenesulfonate

(jet printing inks containing amphipathic dyes for light and water

resistance)

RN 61-73-4 HCAPLUS

CN Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, chloride (9CI) (CA INDEX NAME)

● Cl -

IC ICM C09D011-00

ICS B41J002-01; B41M005-00

CC 42-12 (Coatings, Inks, and Related Products) light water resistant jet ink amphipathic dye; ST aminoalkoxysilane butyral resin amphipathic dye ink ΙT Silanes (alkoxy, amino-; jet printing inks containing amphipathic dyes for light and water resistance) IT(amino, alkoxy; jet printing inks containing amphipathic dyes for light and water resistance) 61-73-4DP, Methylene blue, reaction products with sodium IT toluenesulfonate 657-84-1DP, Sodium p-toluenesulfonate, reaction products with dyes (jet printing inks containing amphipathic dyes for light and water resistance) 87-18-3, p-tert-Butylphenyl salicylate 919-30-2, 3-IT Aminopropyltriethoxysilane (jet printing inks containing amphipathic dyes for light and water resistance) L40 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2001:50584 HCAPLUS DOCUMENT NUMBER: 134:117187 TITLE: Nanocomposite coatings Fischer, Hartmut Rudolf; Batenburg, Lawrence INVENTOR(S): Fabian; Meinema, Harmen Anne; Hogerheide, Marinus Pieter; Rentrop, Cornelis Hermanus Arnoldus Nederlandse Organisatie voor PATENT ASSIGNEE(S): Toegepast-Natuurwetenschappelijk Onderzoek TNO, Neth. SOURCE: PCT Int. Appl., 16 pp. CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

DATE	PATENT NO.	KIND	DATE	APPLICATION NO.
	WO 2001004050	A 1	20010118	WO 2000-NI,479

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2000
0707
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            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
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            MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
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US 6815489 B1 20041109 US 2002-30285

2002

0513

PRIORITY APPLN. INFO.: NL 1999-1012587 A

1999

0713

NL 1999-1013373 A

1999

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WO 2000-NL479 W

2000

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dial

AB The invention relates to a method for preparing a composition for coating,

wherein a layered, inorg. filler is subjected to an ion exchange with a modifier, which modifier comprises at least two ionic groups, which groups are separated from each other by at least four

atoms, and wherein the modified filler, together with a polymer, is dispersed in a diluent. A typical coating composition was manufactured

by stirring 20 g EXM 757 clay with 6.1 g methylene blue 30 min at 60° in water and mixing 1.02 g modified clay with waterborne Neorez R986 (35% solids polyurethane-polycarbonate

composition).

IT 61-73-4DP, Methylene blue, reaction products with clay (nanocomposite coatings containing ion-exchanged layered fillers)

RN 61-73-4 HCAPLUS

CN Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, chloride (9CI) (CA INDEX NAME)

$$Me_2N$$
 S^+ NMe_2

Cl -

IC ICM C01B033-44

ICS C08K009-04; C08J003-20

CC 42-5 (Coatings, Inks, and Related Products)

ΙT Alkyd resins

Aminoplasts

Epoxy resins, uses

Phenolic resins, uses

Polyesters, uses

Polyethers, uses

Polyolefins

Polysiloxanes, uses

Polyurethanes, uses

(nanocomposite coatings containing ion-exchanged layered fillers)

IT 61-73-4DP, Methylene blue, reaction products with clay 321140-88-9DP, EXM 757, ion-exchanged with dyes

(nanocomposite coatings containing ion-exchanged layered fillers)

IT 84-86-6DP, 4-Amino-1-naphthalenesulfonic acid, reaction products with methylene blue, sodium aminoundecanoate, and layered clay 64667-38-5DP, reaction products with methylene blue, aminonaphthalenesulfonic acid, and layered clay 291537-33-2P, Aluminum tri-sec-butoxide-3-glycidyloxypropyltrimethoxysilane

-methyltrimethoxysilane copolymer

(nanocomposite coatings containing ion-exchanged layered fillers)

REFERENCE COUNT:

5 THERE ARE 5 CITED REFERENCES AVAILABLE

FOR THIS RECORD. ALL CITATIONS

AVAILABLE

IN THE RE FORMAT